



**INTERNATIONAL JOURNAL OF NOVEL RESEARCH
AND DEVELOPMENT (IJNRD) | IJNRD.ORG**
An International Open Access, Peer-reviewed, Refereed Journal
ISSN : 2456-4184

The Board of
International Journal of Novel Research and Development
Is hereby awarding this certificate to
Bhupendra

In recognition of the publication of the paper entitled
**Simulation of Energy Efficient Communication Overhead Algorithm in
Wireless Sensor Networks using NS-2**

Published In IJNRD (www.ijnrd.org) ISSN Approved & 8.76 Impact Factor

Published in Volume 2 Issue 12, December-2017 | Date of Publication: 2017-12-28

Co-Authors - Arwind Panwar, Neeraj Panwar



Registration ID : 170189

Paper ID - IJNRD1712013

Editor-In Chief

INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT | IJNRD

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijnrd.org | Email: editor@ijnrd.org | ESTD: 2016

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator

Manage By: IJPUBLICATION Website: www.ijnrd.org | Email ID: editor@ijnrd.org

IJNRD | ISSN : 2456-4184

Certificate of Publication



**INTERNATIONAL JOURNAL OF NOVEL RESEARCH
AND DEVELOPMENT (IJNRD) | IJNRD.ORG**
An International Open Access, Peer-reviewed, Refereed Journal
ISSN : 2456-4184

The Board of
International Journal of Novel Research and Development
Is hereby awarding this certificate to
Arwind Panwar

In recognition of the publication of the paper entitled
**Simulation of Energy Efficient Communication Overhead Algorithm in
Wireless Sensor Networks using NS-2**

Published In IJNRD (www.ijnrd.org) ISSN Approved & 8.76 Impact Factor

Published in Volume 2 Issue 12, December-2017 | Date of Publication: 2017-12-28

Co-Authors - Bhupendra, Neeraj Panwar



Registration ID : 170189

Paper ID - IJNRD1712013

Editor-In Chief

INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT | IJNRD

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijnrd.org | Email: editor@ijnrd.org | ESTD: 2016

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator

Manage By: IJPUBLICATION Website: www.ijnrd.org | Email ID: editor@ijnrd.org

IJNRD | ISSN : 2456-4184

Certificate of Publication



**INTERNATIONAL JOURNAL OF NOVEL RESEARCH
AND DEVELOPMENT (IJNRD) | IJNRD.ORG**
An International Open Access, Peer-reviewed, Refereed Journal
ISSN : 2456-4184

The Board of
International Journal of Novel Research and Development
Is hereby awarding this certificate to

Neeraj Panwar

In recognition of the publication of the paper entitled
**Simulation of Energy Efficient Communication Overhead Algorithm in
Wireless Sensor Networks using NS-2**

Published In IJNRD (www.ijnrd.org) ISSN Approved & 8.76 Impact Factor

Published in Volume 2 Issue 12, December-2017 | Date of Publication: 2017-12-28

Co-Authors - Bhupendra, Arwind Panwar



Registration ID : 170189

Paper ID - IJNRD1712013

Editor-In Chief

INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT | IJNRD

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijnrd.org | Email: editor@ijnrd.org | ESTD: 2016

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator

Manage By: IJPUBLICATION Website: www.ijnrd.org | Email ID: editor@ijnrd.org

IJNRD | ISSN : 2456-4184

Certificate of Publication